

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Darrel R. Bloomquist (Deceased) et al.

Confirmation No.:

Application No.: Unknown

Examiner: Unknown

Filing Date: Herewith

Group Art Unit: Unkn.

Title: IN-PLANE TOROIDAL MEMORY CELL WITH VERTICALLY STEPPED CONDUCTORS

10/08/04
10/08/04
02/22/02

COMMISSIONER FOR PATENTS
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)

under 37 CFR 1.97(c) together with either a:
 Statement under 37 CFR 1.97(e), or
 a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs)

under 37 CFR 1.97 (d) together with a:
 Statement under 37 CFR 1.97(e), and
 a petition under 37 CFR 1.97(d)(2), and
 a \$180.00 petition fee set forth in 37 CFR 1.17(p).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account 08-2025 the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25.

Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. EL874326633US

Respectfully submitted,

Date of Deposit Feb. 22, 2002

Darrel R. Bloomquist (Deceased) et al.

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington, D.C. 20231.

By Matthew B. McNutt

By Matthew B. McNutt

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Attorney/Agent for Applicant(s)
Reg. No. 39,766

Date: Feb. 22, 2002

PATENT APPLICATION

Sheet 1 of 1

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.
10013884-1APPLICATION NO.
Unknown

CONFIRMATION NO.

APPLICANT

Darrel R. Bloomquist(Deceased)et al.

FILING DATE
HerewithGROUP
Unkn.P978 U.S. PTO
10/080847
02/22/02

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
1A	6,266,289	Jul. 24, 2001	Dubovik et al.		
1B					
1C					
1D					
1E					
1F					
1G					
1H					
1I					
1J					
1K					

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
1L							
1M							
1N							
1O							
1P							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	Jimmy Zhu and Gary A. Prinz, "VMRAM Memory Holds Both Promise and Challenges", DATA Storage, September 2000, 8 pgs.
1R	
1S	

EXAMINER

DATE CONSIDERED